

# Watson-Standard Co.

TECHNICAL COATINGS • INDUSTRIAL FINISHES

EXECUTIVE OFFICES:  
P.O. BOX 11250  
PITTSBURGH, PA. 15238

May 30, 1991

TEL: 412-362-8300  
FAX: 412-274-5770

Ms. Anna Marie Tempero  
Pennsylvania Department  
of Environmental Resources  
Bureau of Water Quality Management  
Highland Building  
121 South Highland Avenue  
Pittsburgh, PA 15206

Re: UST Closure Report (Facility No. 02-80150-001)

Dear Ms. Tempero:

Attached is the Closure Report for the underground storage tank at our Neville Island facility. Also attached is the Amendment of "Registration of Storage Tanks" notifying PADER this tank is now permanently out of use.

There are several items in the report I wish to comment on. First, Watson-Standard Company has no record of a spill during filling nor any indication that this tank has leaked in the past. Secondly, we are concerned about possible ground-water contamination problems on adjacent properties. We understand a company directly up-gradient from Watson-Standard has reclaimed lagoon(s) adjacent to our property, separated only by Old Neville Road and they are reportedly involved in an extensive remediation program. With the possible ground-water contamination "next door" and knowing the soil characteristics for this area (alluvium), it is likely that contamination is migrating into our property from outside sources. Third, we realize the analysis for BTEX (toluene 310 ppb) is less than the guidelines established by Pennsylvania Department of Environmental Resources for water-quality criteria for toxic substances in continuous concentrations (PA Bulletin, Vol. 19, No. 10, March 11, 1989) and no guidelines have been established for fuel oil at an industrial site involving an underground storage tank, but we are concerned about the extent, if any, of the neighboring contamination and the long-term effects this may have upon our property. In order to further assess the situation, I formally request any and all public records concerning

Ms. Anna Marie Tempero  
Page Two  
May 30, 1991

the type and extent of any contamination at facilities up-gradient from our property. Please instruct me as to how I may obtain this information.

If you have further questions or comments concerning the closure report, please do not hesitate to call me. I will be waiting to hear about the information I have requested.

Sincerely,

Daniel A. Eakin  
Regulatory Affairs Coordinator

hf

Attachment

# REGISTRATION OF STORAGE TANKS

STATE USE ONLY

DATE RECEIVED: \_\_\_\_\_

AMOUNT RECEIVED: \_\_\_\_\_

IN ACCORDANCE WITH SECTIONS 303 AND 503 OF THE STORAGE TANK AND SPILL PREVENTION ACT, OWNERS OF REGULATED STORAGE TANKS ARE REQUIRED TO REGISTER THEIR TANKS WITH THE DEPARTMENT AND TO PAY A REGISTRATION FEE.

## INSTRUCTIONS

Please type or print in ink all items except "Signature" in Section V. This form is to be completed for each FACILITY which has regulated storage tanks. If there are more than 10 underground or aboveground tanks, photocopy the reverse side of this form, and staple continuation sheets to this form.

**Section I.** Owner Information - Name, business mailing address and phone number of OWNER of the storage tank(s) at the facility. Please include county and Federal Identification Number, if none include your Social Security Number.

**Section II.** Type of Owner - Mark the appropriate box.

**Section III.** Facility Information - Name and physical location (not P.O. Box) of FACILITY. Please include county and township in which FACILITY is located. Include the Facility Identification No. if known.

**Section IV.** Type of Facility - Mark the appropriate box, if applicable.

**Section V.** Description of Storage Tanks - This section is for recording information about each regulated storage tank at the facility. Information for aboveground tanks is to be recorded in Part A. Information for underground tanks is to be recorded in Part B.

1. Tank Registration Number - The registration numbers to be recorded for underground tanks are "001", "002", "003", etc. The registration numbers to be recorded for aboveground tanks are "001A", "002A", "003A", etc. The "A" has already been printed on the form for your convenience.

2. Status - Indicate whether the tank is currently in use, temporarily out of use, or permanently out of use. Permanently out of use means properly closed in place with an inert solid material. Do not include tanks which have been removed.

3. Date of Installation - Specify the month and year the tank was completely installed. For instance, "0190", for January, 1990. If unknown, write "0000".

4. Capacity - Specify the total design or maximum capacity of the tank in GALLONS. If unknown, write "unknown".

5. Substance Currently or Last Stored - Indicate the substance(s), currently or last stored. If a hazardous substance, please indicate CERCLA Name and CAS Number. If Other is indicated, please specify.

6. Tank Has Been Issued Fire Safety Approval or Permit - Indicate whether the tank has been approved or permitted by the Pennsylvania State Police, Fire Marshal Division; or local agency under their jurisdiction for fire safety.

7. Registration Fee - Determine registration fee due PER TANK as indicated below. A registration fee is NOT required for tanks permanently out of use.

A. Aboveground tanks

1. Up to and including 5,000 gallons - \$50 per tank
2. 5,001 to and including 50,000 gallons - \$125 per tank
3. Greater than 50,000 gallons - \$300 per tank

B. Underground Tanks - \$50 per tank

Record the total registration fee due for all aboveground tanks in the space provided (A). Record the total registration fee due for all underground tanks in the space provided (B). Record the total registration fee due for all aboveground and underground tanks in the space provided (A + B). Submit a check or money order, for the total registration fee due, made payable to: Dept. of Environmental Resources.

**Section VI.** Certification - This section is to be completed by the OWNER. Please type or print the name and official title of the OWNER. The OWNER must also sign and record the date the application was examined.

**Section VII.** Nameplate Information - Complete this section for each aboveground tank greater than 5,000 gallon capacity. Use the same Tank Registration Number as identified in Section VI.

PLEASE SEND COMPLETED ORIGINAL FORM AND CHECK TO:

PA Department of Environmental Resources

Bureau of Water Quality Management

Registration of Storage Tanks

(and the appropriate address below, depending on where your FACILITY is located)

75 New Hope Street  
Pittstown, PA 19401

90 East Union Street -  
2nd Floor  
Wilkes-Barre, PA 18701

One Ararat Blvd.  
Harrisburg, PA 17110

200 Pine Street  
Williamsport, PA 17701

Highland Bldg. - 6th Floor  
121 South Highland Mall  
Pittsburgh, PA 15206

1012 Water Street  
Meadville, PA 16335

Counties  
Allegheny, Berks, Chester, Delaware,  
Franklin, Montgomery, Northampton,  
Philadelphia

Counties  
Carbon, Lackawanna, Luzerne,  
Monroe, Pike, Schuylkill,  
Susquehanna, Wayne, Wyoming

Counties  
Adams, Bedford, Blair, Cumberland,  
Dauphin, Franklin, Fulton,  
Huntingdon, Juniata, Lancaster,  
Lebanon, Mifflin, Perry, York

Counties  
Bradford, Cameron, Centre, Clinton,  
Clearfield, Columbia, Lycoming,  
Montour, Northumberland, Potter,  
Snyder, Sullivan, Tioga, Union

Counties  
Allegheny, Armstrong, Beaver,  
Cambria, Fayette, Greene, Indiana,  
Somerset, Washington,  
Westmoreland

Counties  
Butler, Clarion, Crawford, Elk, Erie,  
Forest, Jefferson, Lawrence,  
McKean, Mercer, Venango, Warren

## OWNER INFORMATION

Owner Name Watson-Standard Company

Federal Identification No. 250867620

Mailing Address P. O. Box 11250

City Pittsburgh State PA Zip 15238

County Allegheny Phone No. (412) 362-8300

## TYPE OF OWNER (Mark only one)

- ☐ Federal Government ☒ Corporate  
☐ State Government ☐ Private  
☐ Local Government

## III. FACILITY INFORMATION

Facility Name Plant #2 (Neville Island)

Facility Identification No. 02-80150-001

Street Address (P.O. Box not acceptable) Corner Grand  
Avenue & Old Neville Road

City Neville Island State PA Zip 15225

County Allegheny Township Neville

## IV. TYPE OF FACILITY (Mark only one, if applicable)

- ☐ Farm  
☐ Municipal  
☐ Residential

# REGISTRATION OF STORAGE TANKS

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**Section VII.** Nameplate Information - Complete this section for each aboveground tank greater than 5,000 gallon capacity. Use the same Tank Registration Number as identified in Section VI.

PLEASE SEND COMPLETED ORIGINAL FORM AND CHECK TO:

PA Department of Environmental Resources

Bureau of Water Quality Management

Registration of Storage Tanks

(and the appropriate address below, depending on where your FACILITY is located)

75 New Hope Street Pittstown, PA 19401  Counties Is. Bucks, Chester, Delaware, Egh. Montgomery, Northampton, Philadelphia.	90 East Union Street - 2nd Floor Wilkes-Barre, PA 18701  Counties Carbon, Lackawanna, Luzerne, Monroe, Pike, Schuylkill, Susquehanna, Wayne, Wyoming.	One Ararat Blvd. Harrisburg, PA 17110  Counties Adams, Bedford, Blair, Cumberland, Dauphin, Franklin, Fulton, Huntingdon, Juniata, Lancaster, Lebanon, Mifflin, Perry, York	200 Pine Street Williamsport, PA 17701  Counties Bradford, Cameron, Centre, Clinton, Clearfield, Columbia, Lycoming, Montour, Northumberland, Potter, Snyder, Sullivan, Tioga, Union	Highland Bldg. - 6th Floor 121 South Highland Mall Pittsburgh, PA 15206  Counties Allegheny, Armstrong, Beaver, Cambria, Fayette, Greene, Indiana, Somerset, Washington, Westmoreland	1012 Water Street Meadville, PA 16335  Counties Butler, Clarion, Crawford, Elk, Erie, Forest, Jefferson, Lawrence, McKean, Mercer, Venango, Warren
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## I. OWNER INFORMATION

Owner Name Watson-Standard Company  
Federal Identification No. 250867620  
Mailing Address P. O. Box 11250  
Pittsburgh State PA Zip 15238  
County Allegheny Phone No. (412) 362-8300

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☐ State Government ☐ Private  
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Facility Name Plant #2 (Neville Island)  
Facility Identification No. 02-80150-001  
Street Address (P.O. Box not acceptable) Corner Grand  
Avenue & Old Neville Road  
City Neville Island State PA Zip 15225  
County Allegheny Township Neville

## IV. TYPE OF FACILITY (Mark only one, if applicable)

- ☐ Farm  
☐ Municipal  
☐ Residential

PRIVILEGED AND CONFIDENTIAL

DRAFT  
FINAL REPORT

ABANDONMENT OF AN UNDERGROUND STORAGE TANK

WATSON-STANDARD COMPANY  
NEVILLE ISLAND, PENNSYLVANIA

DRAFT  
FINAL REPORT

ABANDONMENT OF AN UNDERGROUND STORAGE TANK

WATSON-STANDARD COMPANY  
NEVILLE ISLAND, PENNSYLVANIA

PREPARED FOR

WATSON-STANDARD COMPANY  
PITTSBURGH, PENNSYLVANIA

MAY 31, 1991

PROJECT NO. 91013.2

REMCOR, INC.  
PITTSBURGH, PENNSYLVANIA

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1	Initial Excavation
2	Initial Excavation
3	Excavation with Tank
4	Sample from Excavation
5	Final Addition of Lean Concrete Grout
6	Final Site Condition



## 1.0 INTRODUCTION

Remcor, Inc. (Remcor) received an invitation to bid from Watson-Standard Company (Watson-Standard) Pittsburgh, Pennsylvania on January 8, 1991 for the abandonment of an underground storage tank (UST) at the Watson-Standard facility on Neville Island (Figure 1). Remcor submitted Proposal Revision No. 1 Project No. 91013PR on February 25, 1991. Watson-Standard authorized Remcor to proceed with the abandonment. This report describes the background for the project, methodology for UST abandonment, and conclusions.

## 2.0 BACKGROUND

During December 1990, contractors for Watson-Standard began removal of one 5,000-gallon UST, which formerly contained No. 2 fuel oil. The Facility Identification Number is 02-80150-001. All liquids and sludges were removed at this time. After removing approximately two to three feet of soil, the contractors discovered that the tank was partially located under the foundation of the shipping building. Testing of the vapors within the excavation, with a HNu™ photoionization meter, reportedly revealed that volatile organic compounds (VOCs), vapors were present within the excavation. Watson-Standard requested that samples be taken within the excavation to verify the HNu readings; however, the contractor failed to obtain the samples. Work was then stopped and gravel was added to bring the excavation up to grade level. Because piping was removed from the UST, an integrity test could not be performed to verify that the UST had not leaked.

Remcor proposed to perform the work using a phased approach to be most responsive to the regulatory requirements and to meet the goals of Watson-Standard.

The work plan was developed to comply with tank abandonment procedures approved by the Commonwealth of Pennsylvania and the U.S. Environmental Protection Agency (EPA). The procedures used

were based on the American Petroleum Institute Recommended Practice 1604, "Removal and Disposal of Used Underground Petroleum Storage Tanks," Second Edition, December 1987 and the "Guidance for Underground Storage Systems in Pennsylvania," Number 1, April 1990, issued by the Division of Permits and Compliance.

### 3.0 METHODOLOGY

The first phase of the work included tank preparation, tank cleaning, collection of soil samples, and abandonment. Photographs are provided detailing the work performed.

#### 3.1 TANK PREPARATION

Prior to mobilization to the site, Remcor notified the Pennsylvania Department of Environmental Resources (PADER) and the County of Allegheny Fire Marshal's Office of the changes in schedule and plans. The notification letters are provided in Appendix A.

Liquix Oil Company removed approximately 1,300 gallons of water from the tank prior to starting work on May 1, 1991. Contractors for Watson-Standard removed all liquids and sludges from the tank during December 1990. After a site safety meeting, an initial site survey was conducted by Mr. Stephen M. Frank. Mr. Frank is a certified Installer, holding Installer No. 002318-INST, in the Commonwealth of Pennsylvania. A copy of Mr. Frank's certification is provided in Appendix A. This survey revealed no significant surface staining.

Due to the flammable characteristics associated with No. 2 fuel oil, caution was used to prevent an ignition source. No smoking or open flames were allowed in the area during the closure. An

ABC fire extinguisher and a standard first-aid equipment kit were placed nearby for easy access. No electrical hazards were anticipated or encountered during the closure.

### 3.2 TANK CLEANING

The tank was monitored through the fill tube at the top, middle, and bottom of the tank. A HNu™ Model 101 equipped with a 10.2-electron volt lamp was used for ambient air monitoring during work activities. HNu™ readings in the ambient air near the doorways of the facility and near the excavation fluctuated due to ongoing operations at Watson-Standard. HNu™ readings in the tank were low. The tank was free of petroleum, therefore tank cleaning was unnecessary. HNu™ monitoring logs and calibration logs are provided in Appendix A.

### 3.3 SAMPLE COLLECTION

The initial excavation involved removing the top two feet of tank overburden. No significant evidence of leakage or overspillage was encountered in these soils. This soil was placed immediately adjacent to the tank. All product piping was already removed, except for a fill pipe that was placed on top of the fill hole. The excavation proceeded to a depth of nine feet, approximately one foot below the tank bottom. The west, east, and south sides of the tank were excavated one at a time and sampled accordingly. Dark sandy material was present from 3 to 9 feet. This material also had a petroleum odor. No visible signs of rust or corrosion was found on the exposed portion of the tank.

Soil samples were collected from the bottom of the excavation on each side of the tank and submitted to Wadsworth/ALERT Laboratories, Inc. Tank and sample locations are shown in Figure 2. All samples were placed in 40-milliliter glass containers with Teflon™-lined lids and were transported to the laboratory in a cooler with ice under a chain-of-custody (COC) form. The samples were analyzed for total petroleum hydrocarbon (TPH) and benzene, toluene, ethylbenzene, and xylene (BTEX). A copy of the analytical report and COC form is presented in Appendix B. The analytical results for all the samples analyzed are summarized in Table 1.

#### 3.4 ABANDONMENT

The excavation was backfilled to the top of the tank with the soil that was previously excavated in preparation for filling the tank. Remcor proceeded to introduce a lean concrete grout to the tank. The tank was filled until the grout overflowed the fill area. The excavation was backfilled to grade. Additional clean gravel was added to level the excavation.

After discovering the visible contamination, Mr. Frank reported the extent of visible contamination using the "Storage Tank and Spill Prevention Act Notification of Contamination" form. A copy of this form is included in Appendix C. Watson-Standard also notified the PADER Pittsburgh Regional Office by telephone on Thursday, May 2, 1991.

Based on the understanding that guidance for cleanup criteria for the closure of UST systems in Pennsylvania is not clear for industrial sites, no further action was taken at this time.



#### 4.0 CONCLUSION

Because HNu™ readings taken by the former contractors in December 1990 revealed VOC vapors present within the excavation, Watson-Standard believed that the source of contamination was not due to the UST and suspected that it might be associated with contamination migrating onto the site from some upgradient source. One possible upgradient source is the former reclamation lagoons across the street that are now a parking lot.

Analytical results for soil sample numbers WAT-W-001, WAT-S-002, and WAT-E-003 showed toluene at 150 parts per billion (ppb), 310 ppb, and 150 ppb, respectively. Benzene, ethylbenzene, and xylene were not detected. Federal Drinking Water Standards indicate the proposed maximum contaminant level (PMCL) for toluene is 2,000 ppb. The sample results show that toluene is below the proposed standard.

Because the tank was a commercial heating oil tank on an industrial site with alleged upgradient ground water problems and based on the understanding that guidance for cleanup criteria for the closure of UST systems in Pennsylvania is not clear, no further action has been taken.

TABLES

TABLE 1  
ANALYTICAL SUMMARY  
WATSON-STANDARD COMPANY  
NEVILLE ISLAND  
PROJECT No. 91013.2

SAMPLE NUMBER	DATE	SAMPLE MEDIUM	LOCATION	DEPTH	BENZENE (ppb) (1)	TOLUENE (ppb)	ETHYLBENZENE (ppb)	XYLENE (ppb)	DETECTION LIMIT	TOTAL RECOVERABLE	
										PETROLEUM	HYDROCARBON (mg/kg)
WAT-W-001	5/1/91	SOIL	West side	9 FT.	ND(2)	150	ND	ND	150		18000
WAT-S-002	5/1/91	SOIL	South side	9 FT.	ND	310	ND	ND	140		15000
WAT-E-003	5/1/91	SOIL	East side	9 FT.	ND	150	ND	ND	140		13000

NOTE: 1 Parts Per Billion(ug/kg)  
2 Non Detected

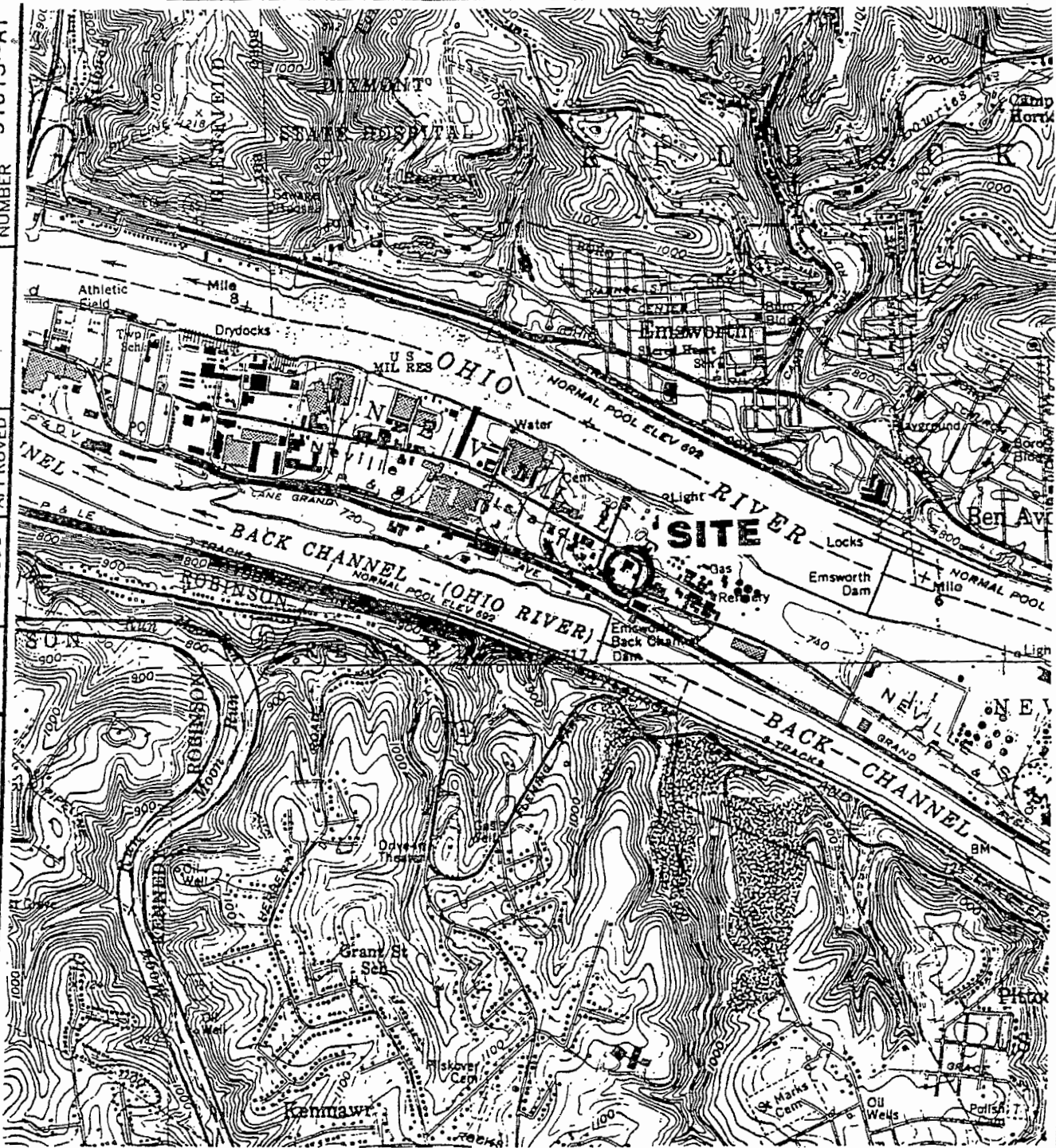
## FIGURES

DRAWING NUMBER 91013-A1

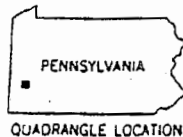
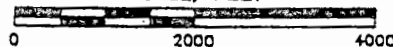
CHECKED APPROVED

RAZ 052491

DRAWN BY



SCALE, FEET



QUADRANGLE LOCATION

**REFERENCES:**

USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLES, AMBRIDGE, EMSWORTH, PITTSBURGH WEST, AND OAKDALE, PA. ALL DATED 1960 AND PHOTO-REVISED 1979. ALL SCALES 1:24000.

**FIGURE 1**

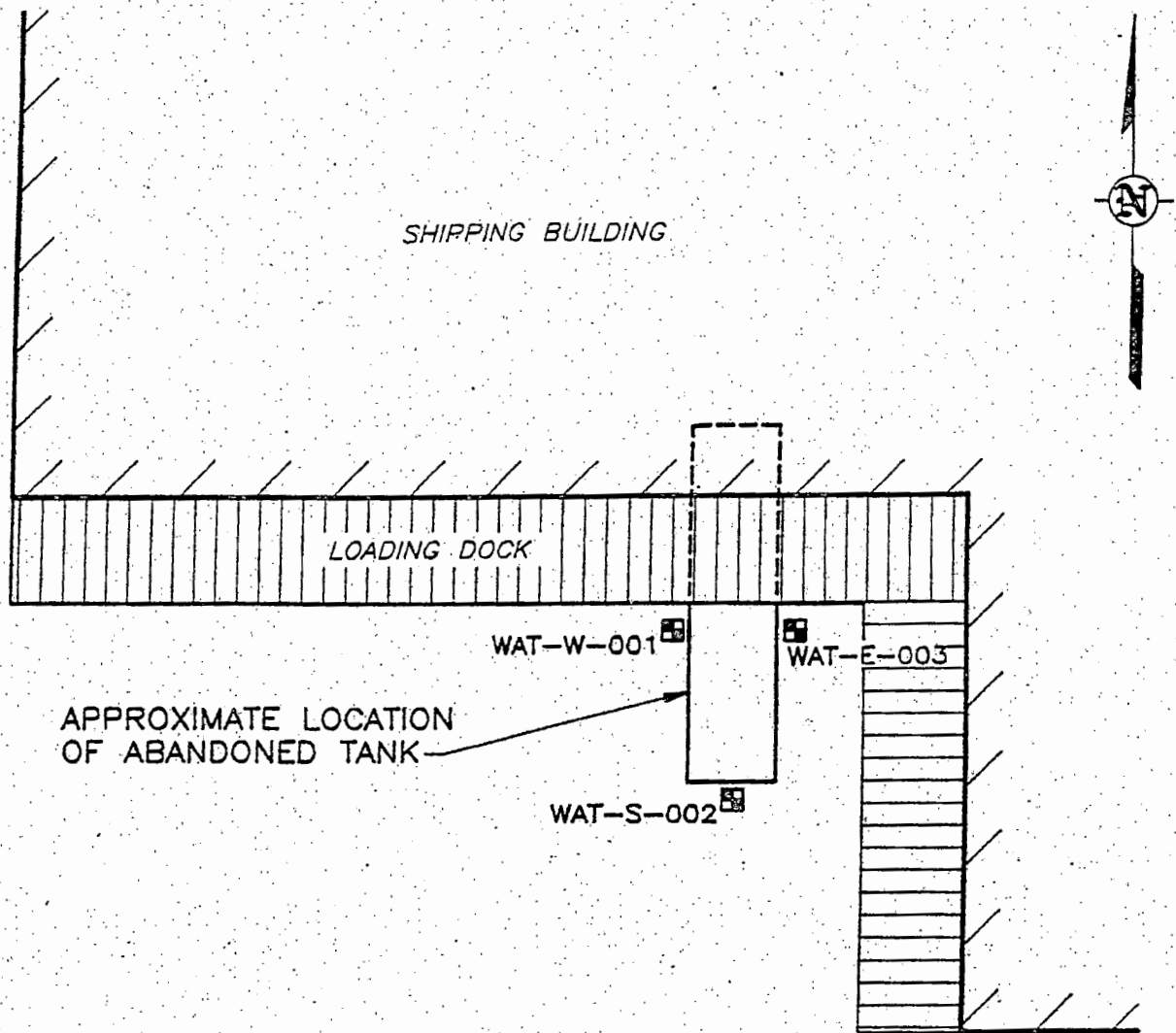
**SITE LOCATION MAP**

TANK ABANDONMENT PROJECT  
NEVILLE ISLAND, PENNSYLVANIA

PREPARED FOR  
WATSON-STANDARD COMPANY  
PITTSBURGH, PENNSYLVANIA



DRAWN BY	RAZ 052491	CHECKED	DRAWING NUMBER
		APPROVED	91013-A1



LEGEND

■ APPROXIMATE SAMPLE  
LOCATION, ~9' DEEP

NOT TO SCALE

FIGURE 2

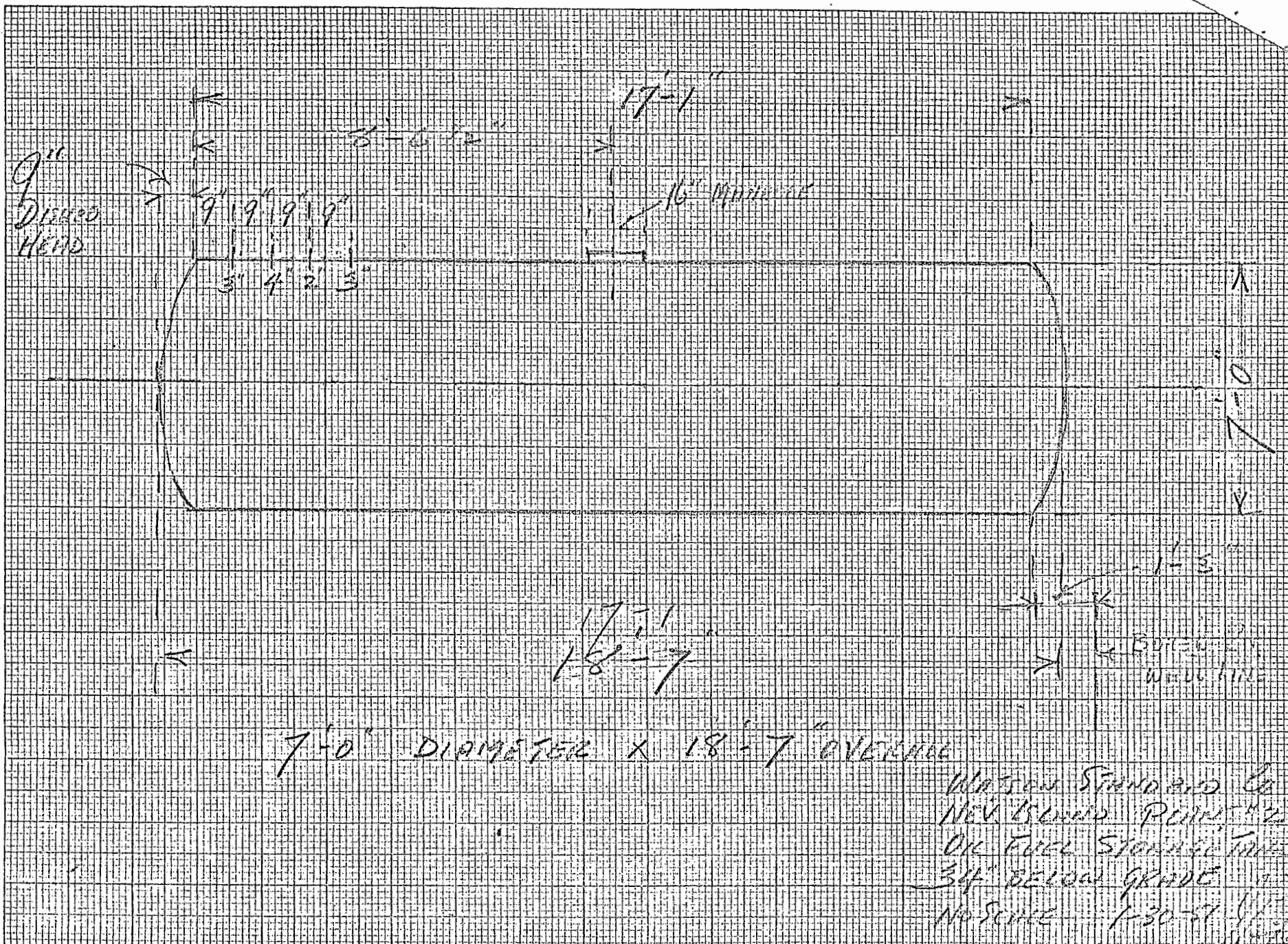
**ABANDONED TANK AND  
SAMPLE LOCATIONS PLAN**

TANK ABANDONMENT PROJECT  
NEVILLE ISLAND, PENNSYLVANIA

PREPARED FOR  
WATSON-STANDARD COMPANY  
PITTSBURGH, PENNSYLVANIA





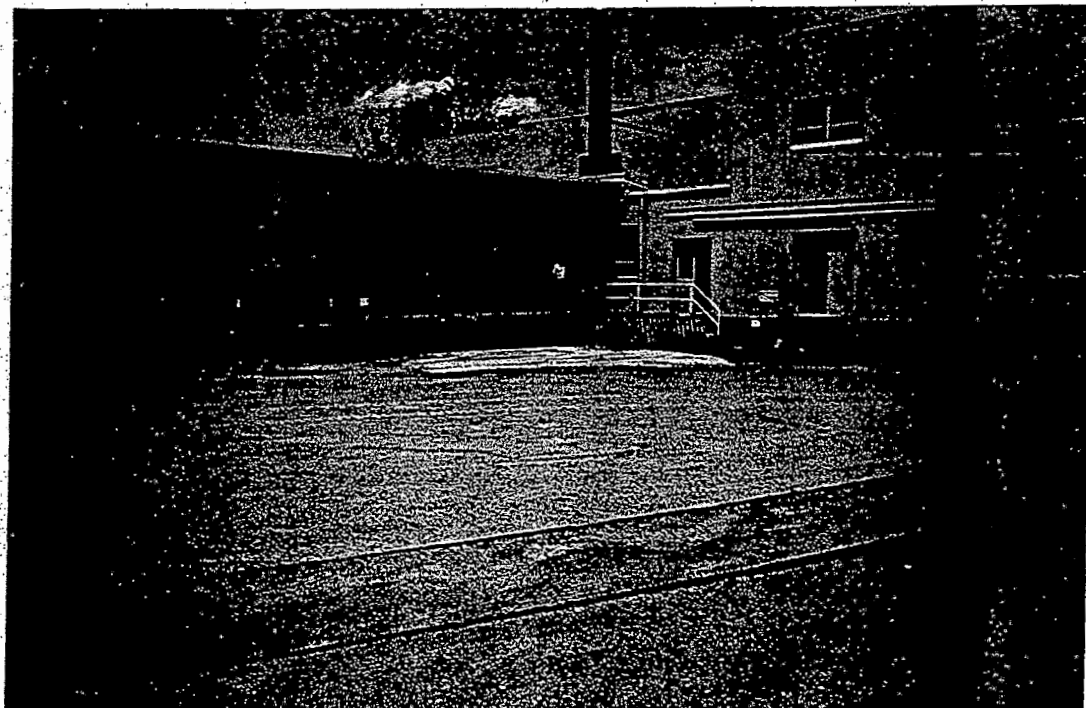


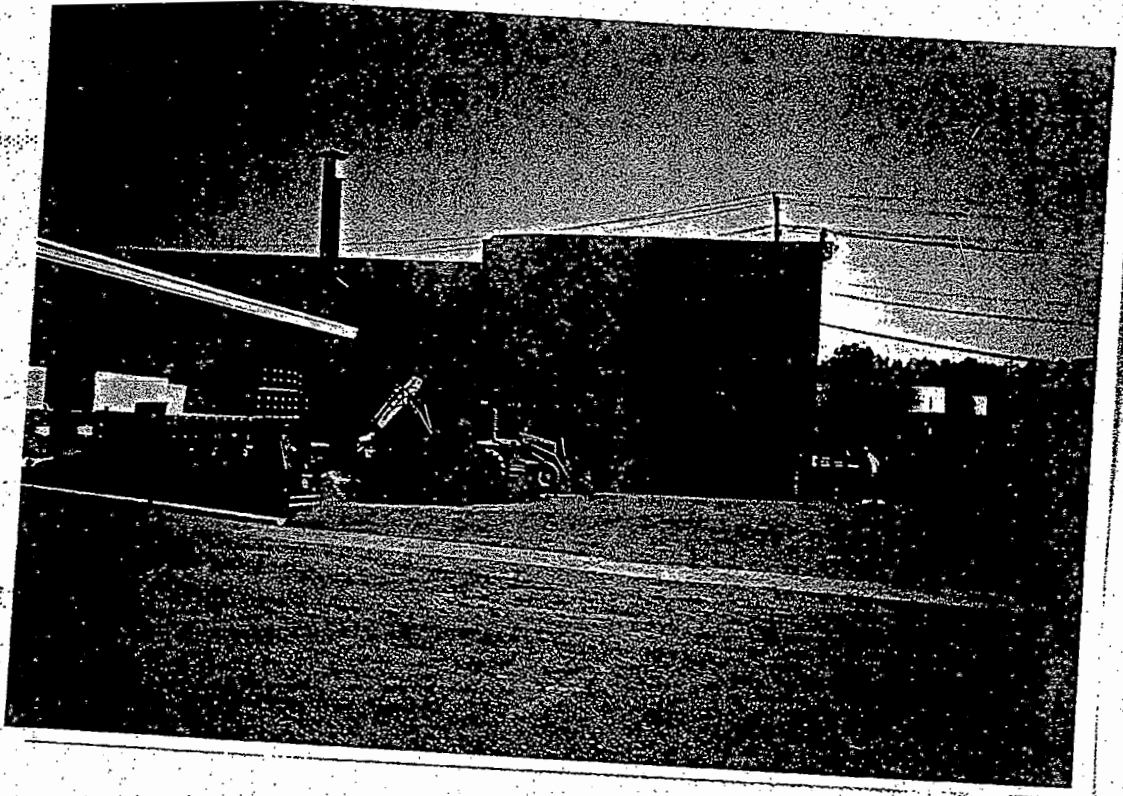


PHOTOGRAPHS



Top - Final Addition of Lean Concrete Grout  
Bottom - Final Site Condition





Top & Bottom - Initial Excavation





Top - Excavation With Tank      Bottom - Sample From Excavation



APPENDIX A

NOTIFICATION LETTERS, CERTIFICATION FORM, AND  
CALIBRATION LOGS



REMCOR, Inc. • 701 Alpha Drive • P.O. Box 38310 • Pittsburgh, PA 15238-8310 • 412-963-1106

April 5, 1991

Project No. 91013

Mr. John M. Kaus, Fire Marshal  
County of Allegheny  
Fire Marshal's Office  
Penn-Liberty Plaza  
1520 Penn Avenue  
Pittsburgh, Pennsylvania 15222

Transmittal  
Notification of Tank Closure  
Watson-Standard Company  
Neville Island, Pennsylvania

Dear Mr. Kaus:

On August 7, 1990, you were notified by Petroleum Industry Maintenance, Inc. (PIM) of their intent to remove one 5,000 gallon steel underground storage tank (UST) from Watson-Standard's Neville Island facility (see enclosed information). This tank had previously been used to store heating oil for consumptive use on the premises and as such is exempt from the UST regulations found in 40 Code of Federal Regulations Part 280.

The above referenced tank was not removed as originally planned because of the fact that it was discovered to be located partially under the foundation of a building. Consequently, Watson-Standard has retained Remcor, Inc. (Remcor) to close the tank in-place. This notification is being given to advise you of the change from removal to closure-in-place. Closure-in-place is expected to occur during the month of April 1991.

If you have any questions concerning the tank closure, please feel free to contact us.

Sincerely yours,

Jeffrey C. Sample  
Project Manager

Enclosures

cc: D. A. Eakin  
A. M. Tempero





REMCOR, Inc. • 701 Alpha Drive • P.O. Box 38310 • Pittsburgh, PA 15238-8310 • 412-963-1106

April 5, 1991

Project No. 91013

Ms. Anna Marie Tempero  
Pennsylvania Department of  
Environmental Resources  
Bureau of Water Quality Management  
Highland Building  
121 South Highland Avenue  
Pittsburgh, Pennsylvania 15222

Transmittal  
Notification of Tank Closure  
Watson-Standard Company  
Neville Island, Pennsylvania

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Sincerely yours,

Jeffrey C. Sample  
Project Manager

Enclosures

cc: D. A. Eakin  
K. M. Kaus





COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES

Post Office Box 8761  
Harrisburg, Pennsylvania 17105-8761  
February 26, 1991

717-657-4080

Bureau of Water Quality Management

STEPHEN M. FRANK  
372 SOUTH HIGHLAND AVENUE  
APARTMENT 307  
PITTSBURGH, PA 15206

Re: DER File No. 8-7.5.3.1

Dear Sir or Madam:

This document certifies that **STEPHEN M. FRANK** meets the qualifications established under Section 108(a) of the Storage Tank and Spill Prevention Act and is interimly certified by the Department of Environmental Resources as an **INSPECTOR AND INSTALLER** for the following storage tank or facility types:

**UNDERGROUND MANUFACTURED STORAGE TANKS**  
**ABOVEGROUND MANUFACTURED STORAGE TANKS**  
**STEEL TANKS**  
**COMPOSITE TANKS**

Your interim certification ID number(s) is:

**CERTIFIED INSTALLER: 002318-INST**  
**CERTIFIED INSPECTOR: 002318-INSP**

This certification will expire on **08/05/91**.

The Storage Tank and Spill Prevention Act provides that a certified inspector shall not be an employee of a tank owner. Therefore, certification as an inspector does not authorize you to inspect a storage tank or facility that is owned by your employer. This prohibition extends to storage tanks or facilities owned by a company that owns, or is owned by, your employer, in part or in whole.

This certification is conditioned upon your compliance with the Storage Tank and Spill Prevention Act including, but not limited to, Section 108. Failure to comply could result in the revocation or suspension of this certification.

Sincerely,

Daniel B. Drawbaugh  
Director

Enclosure

Recycled Paper





## REAL TIME AIR MONITORING LOG

HS-12

SITE: WATSON  
STD - NEVALE  
ISLANDINSTRUMENT: HNU 10.2eVPROJECT NO.: 91093.96SERIAL #: 901548CALIBRATION DATE: 5-1-91

DATE	LOCATION	TIME	READING	ANALYST	COMPOUND MEASURED	COMMENTS
5-1-91	Perimeter	8:30	0-1 ppm	KK	Kerosene	background
5-1-91	trench	9:30	0-5 ppm	KK	"	before concrete added
5-1-91	trench	10:00	100 ppm	KK	"	during pouring w. concrete
5-1-91	trench	10:30	100 ppm	KK	"	"
5-1-91	trench	11:00	150 ppm	KK	"	"
5-1-91	trench	11:30	150 ppm	KK	"	"
5-1-91	trench	12:00	50 ppm	KK	"	"
5-1-91	trench	12:30	25 ppm	KK	"	"
5-1-91	trench	1:00	0 ppm	KK	"	end of job - tank fuel g. cut

Reviewed:

Kare Kneel  
Corp. HESSignature,  
Site Superintendent:Kare Kneel

Proj. Mgr. \_\_\_\_\_

**APPENDIX B**  
**ANALYTICAL RESULTS**



WADSWORTH/ALERT  
LABORATORIES, INC.  
Sampling, testing, mobile labs  
450 William Pitt Way  
Pittsburgh, PA 15238

## ANALYTICAL REPORT

PROJECT NO. 91013 WATSON-STANDARD

WADSWORTH/ALERT PROJECT NO. 2760

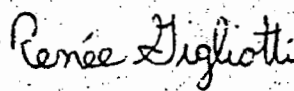
Presented to :

Stephen M. Frank

REMCOR, INC.

WADSWORTH/ALERT LABORATORIES, INC.

  
Thomas Tomayko  
Project Manager

  
Renee Gigliotti  
Quality Assessment Group Leader - Pittsburgh

May 14, 1991



CORPORATE AND LABORATORY: North Canton, Ohio (216) 497-9396  
LABORATORY: Cleveland, Ohio (216) 642-9151  
LABORATORY: Pittsburgh, Pennsylvania (412) 826-5477  
LABORATORY: Bartow, Florida (813) 533-2150  
SOUTHEAST REGIONAL OFFICE: Lexington, South Carolina (803) 957-6590  
24-HOUR ALERT LINE (216) 497-9338



WADSWORTH/ALERT  
LABORATORIES, INC.

#### NARRATIVE

The following report contains the analytical results for samples submitted to Wadsworth/ALERT Laboratories, Inc. The samples were received into the laboratory in accordance with documented sample acceptance procedures.

Wadsworth/ALERT Laboratories, Inc. utilizes USEPA approved methods and instrumentation in all analytical work. The methods used for the analyses presented in this study can be found on the following pages. A summary of QC data for these analyses is included at the rear of the report.



WADSWORTH/ALERT  
LABORATORIES, INC.

#### ANALYTICAL METHODS

Wadsworth/ALERT Laboratories, Inc. utilizes only USEPA approved analytical methods and instrumentation. The analytical methods used in the analyses of these samples are listed below.

<u>Parameters</u>	<u>Methods</u>
Organics:	
Aromatic Volatile Compounds	SW846 8020
Inorganics:	
Total Recoverable	
Petroleum Hydrocarbons	EPA 418.1 (modified)

SW: SW846-Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, Third Edition, EPA, September, 1986.

EPA: Methods for Chemical Analysis of Water and Wastes EPA 600/4-79-020, March 1983.



WADSWORTH/ALERT  
LABORATORIES, INC.

COMPANY: REMCOR, INC.  
LAB #: 2760-26722  
MATRIX: SOLID

DATE RECEIVED: 5/02/91  
DATE EXTRACTED: 5/07/91  
DATE ANALYZED: 5/07/91

SAMPLE ID: WAT-W 001 5-01-91

AROMATIC VOLATILE COMPOUNDS  
METHOD 8020 LIST - GC

% MOISTURE: 14

PARAMETER	RESULT (ug/kg)	DETECTION LIMIT
Benzene	ND	150
Toluene	150	150
Ethylbenzene	ND	150
Xylenes	ND	150

NOTE: ND (None Detected) dry weight  
J (Detected, but below quantitation limit; estimated value)

SURROGATE RECOVERY:	%	ACCEPTABLE LIMITS
		WATER SOLID
Trifluorotoluene	130	(75-125) (75-125)





WADSWORTH/ALERT  
LABORATORIES, INC.

COMPANY : REMCOR, INC.  
LAB #: 2760-26722  
MATRIX : SOLID

DATE RECEIVED: 5/ 2/91

SAMPLE ID : WAT-W 001 5-01-91

# ANALYTICAL REPORT

PARAMETER	PREPARATION - ANALYSIS DATE	RESULT	DETECTION LIMIT
Percent Water	5/ 2/91	14	%
Tot Recoverable Pet Hydrocarbons	5/ 3/91.	18000	640 mg/kg

NOTE: ND (None Detected)

Results are on a dry weight basis.



WADSWORTH/ALERT  
LABORATORIES, INC.

COMPANY: REMCOR, INC.  
LAB #: 2760-26723  
MATRIX: SOLID

DATE RECEIVED: 5/02/91  
DATE EXTRACTED: 5/07/91  
DATE ANALYZED: 5/07/91

SAMPLE ID: WAT-S 002 5-01-91

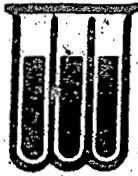
AROMATIC VOLATILE COMPOUNDS  
METHOD 8020 LIST - GC

% MOISTURE: 13

PARAMETER	RESULT (ug/kg)	DETECTION LIMIT
Benzene	ND	140
Toluene	310	140
Ethylbenzene	ND	140
Xylenes	ND	140

NOTE: ND (None Detected) dry weight  
J (Detected, but below quantitation limit; estimated value)

SURROGATE RECOVERY:	%	ACCEPTABLE LIMITS
		WATER SOLID
Trifluorotoluene	129	(75-125) (75-125)



WADSWORTH/ALERT  
LABORATORIES, INC.

COMPANY : REMCOR, INC.  
LAB #: 2760-26723  
MATRIX : SOLID

DATE RECEIVED: 5/ 2/91

SAMPLE ID : WAT-S 002 5-01-91

# ANALYTICAL REPORT

PARAMETER	PREPARATION - ANALYSIS DATE	RESULT	DETECTION LIMIT
Percent Water	5/ 2/91	13	%
Tot Recoverable Pet Hydrocarbons	5/ 3/91	15000	640 mg/kg

NOTE: ND (None Detected)

Results are on a dry weight basis.



WADSWORTH/ALERT  
LABORATORIES, INC.

COMPANY: REMCOR, INC.  
LAB #: 2760-26724  
MATRIX: SOLID

DATE RECEIVED: 5/02/91  
DATE EXTRACTED: 5/07/91  
DATE ANALYZED: 5/07/91

SAMPLE ID: WAT-E 003 5-01-91

AROMATIC VOLATILE COMPOUNDS  
METHOD 8020 LIST - GC

% MOISTURE: 11

PARAMETER	RESULT (ug/kg)	DETECTION LIMIT
Benzene	ND	140
Toluene	150	140
Ethylbenzene	ND	140
Xylenes	ND	140

NOTE: ND (None Detected) dry weight  
J (Detected, but below quantitation limit; estimated value)

SURROGATE RECOVERY:	%	ACCEPTABLE LIMITS	
		WATER	SOLID
Trifluorotoluene	118	(75-125)	(75-125)



WADSWORTH/ALERT  
LABORATORIES, INC.

COMPANY : REMCOR, INC.

LAB #: 2760-26724

MATRIX : SOLID

DATE RECEIVED: 5/ 2/91

SAMPLE ID : WAT-E 003 5-01-91

ANALYTICAL REPORT

---

PARAMETER	PREPARATION - ANALYSIS DATE	RESULT	DETECTION LIMIT	
Percent Water	5/ 2/91	11		%
Tot Recoverable Pet Hydrocarbons	5/ 3/91	13000	620	mg/kg

NOTE: ND (None Detected)

Results are on a dry weight basis.



WADSWORTH/ALERT  
LABORATORIES, INC.

COMPANY: REMCOR, INC.  
LAB #: 2760-26725  
MATRIX: WATER

DATE RECEIVED: 5/02/91  
DATE EXTRACTED: NA  
DATE ANALYZED: 5/07/91

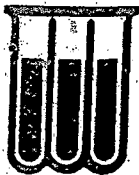
SAMPLE ID: TRIP BLANK 5-01-91

AROMATIC VOLATILE COMPOUNDS  
METHOD 8020 LIST-GC

PARAMETER	RESULT (ug/l)	DETECTION LIMIT
Benzene	ND	1.0
Toluene	ND	1.0
Ethylbenzene	ND	1.0
Xylenes	ND	1.0

NOTE: ND (None Detected) as rec'd  
J (Detected, but below quantitation limit; estimated value)

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS	
		WATER	SOLID
Trifluorotoluene	81	(75-125)	(75-125)



WADSWORTH/ALERT  
LABORATORIES, INC.

QUALITY CONTROL SECTION





WADSWORTH/ALERT  
LABORATORIES, INC.

#### CASE NARRATIVE

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. The 8020 surrogate recoveries for samples 26722 and 26723 did not meet recovery limits.



WADSWORTH/ALERT  
LABORATORIES, INC.

MATRIX SPIKE DATA

LAB ID	PARAMETER	SPIKE PERCENT RECOVERY	SPK/DUP PERCENT RECOVERY	SPIKE MATRIX	QC CONTROL LIMIT
AROMATIC VOLATILE COMPOUNDS					
26720	Benzene	112	116	SOLID	(75-125)
	Toluene	120	114		(75-125)
	Ethylbenzene	106	110		(75-125)
	Xylenes	110	112		(75-125)



WADSWORTH/ALERT  
LABORATORIES, INC.

MATRIX SPIKE DATA

LAB ID	PARAMETER	SPIKE PERCENT RECOVERY	SPK/DUP PERCENT RECOVERY	SPIKE MATRIX	QC CONTROL LIMITS
26720	Total Recoverable Petroleum Hydrocarbons	90	90	SOLID	(70-130)



WADSWORTH/ALERT  
LABORATORIES, INC.

CHECK SAMPLE DATA

LAB ID	PARAMETER	SPIKE PERCENT RECOVERY	SPIKE MATRIX	QC CONTROL LIMITS
AROMATIC VOLATILE COMPOUNDS				
26719	Benzene	80	SOLID	(75-125)
	Toluene	80		(75-125)
	Ethylbenzene	82		(75-125)
	Xylenes	82		(75-125)



WADSWORTH/ALERT  
LABORATORIES, INC.

CHECK SAMPLE DATA

LAB ID	PARAMETER	SPIKE PERCENT RECOVERY	SPIKE MATRIX	QC CONTROL LIMITS
26719	Total Recoverable Petroleum Hydrocarbons	102	SOLID	(70-130)



WADSWORTH/ALERT  
LABORATORIES, INC.

COMPANY: Wadsworth/Alert Laboratories  
LAB #: 9291-92507  
MATRIX: SOLID

DATE RECEIVED: NA  
DATE EXTRACTED: 5/07/91  
DATE ANALYZED: 5/07/91

SAMPLE ID: INTRA-LAB BLANK, 5/07/91

AROMATIC VOLATILE COMPOUNDS BLANK REPORT  
METHOD 8020 LIST - GC

---

Benzene	ND
Toluene	ND
Ethylbenzene	ND
Xylenes	ND

NOTE: ND (None Detected, lower detectable limit= 100 ug/kg)  
J (Detected, but below quantitation limit; estimated value)  
-- (Not analyzed)

SURROGATE RECOVERY	%	ACCEPTABLE LIMITS	
		WATER	SOLID
Trifluorotoluene	103	(75-125)	(75-125)



WADSWORTH/ALERT  
LABORATORIES, INC.

COMPANY: Wadsworth/Alert Laboratories  
LAB #: 9291  
MATRIX: SOLID

SAMPLE ID: INTRA-LAB BLANK

GENERAL ANALYTICAL BLANK REPORT

---

PARAMETER	PREPARATION- ANALYSIS DATE	RESULT	DETECTION LIMIT
Total Recoverable Petroleum Hydrocarbons	5/03/91	ND	33 mg/kg



# WADSWORTH/ALERT LABORATORIES

450 William Pitt Way, Pittsburgh, PA 15238  
(412) 826-5477

No 1262

### Chain-of Custody Record

[illegible]

Distribution Original Accompanies Shipment. Copy returned with Report.

APPENDIX C

STORAGE TANK AND SPILL PREVENTION ACT  
NOTIFICATION OF CONTAMINATION FORM

# STORAGE TANK AND SPILL PREVENTION ACT NOTIFICATION OF CONTAMINATION REPORT

On August 5, 1989, the Storage Tank and Spill Prevention Act became effective in Pennsylvania. An important aspect of this Act concerns the creation of a certified installer and inspector requirement. Storage tanks must be installed, modified, removed and inspected by certified installers and/or inspectors.

Until the adoption of regulations, the Department is authorized to grant interim certification to installers and inspectors, as specified in Section 108 of the Act, to conduct these activities at regulated storage tank facilities.

Section 108(h)(7) of the Act requires that those receiving interim certification must report to the Department the extent of visible contamination from regulated substances at the site of the tank installation, on a form provided by the Department.

## OFFICIAL USE ONLY

Case Number

Date Received

### INSTRUCTIONS

- I. **FACILITY INFORMATION** - Record the name, I.D. number and physical location (not P.O. Box) of the facility at which visible contamination has been identified. Include the name and phone number of a person to contact at the facility.
- II. **OWNER INFORMATION** - Record the name, business address and phone number of the owner of the facility identified in Section I.
- III. **REGULATED SUBSTANCE INFORMATION** - Indicate to the best of your knowledge the type of product or products responsible for the contamination at the facility.
- IV. **EXTENT/DATE OF OBSERVATION OF CONTAMINATION** - Indicate to the best of your knowledge the extent of contamination resulting from the release and/or spill of the regulated substance. Record the date of observation of the contamination, e.g., "01/01/89". Mark the box if you are aware of any soil and/or ground water samples which have been collected.
- V. **CERTIFIED INSTALLER/INSPECTOR INFORMATION** - Please print your name and provide your signature, I.D. number, date of signature and phone number. The installer, inspector, or both may discover the contamination.

PLEASE SEND COMPLETED ORIGINAL FORM TO:

PA Department of Environmental Resources  
Bureau of Water Quality Management  
Notice of Contamination Report

(and the appropriate address below, depending on where the FACILITY is located)

1875 New Hope Street Harrisburg, PA 17101	90 East Union Street - 2nd Floor Wilkes-Barre, PA 18701	One Ararat Blvd. Harrisburg, PA 17110	200 Pine Street Wilmington, PA 17701	Highland Bldg. - 6th Floor 121 South Highland Mall Pittsburgh, PA 15208	1012 Water Street Meadville, PA 16335
County: Berks, Chester, Dauphin, Lehigh, Montgomery, Northampton, Philadelphia	County: Carbon, Lackawanna, Luzerne, Monroe, Pike, Schuylkill, Susquehanna, Wayne, Wyoming	County: Adams, Berks, Blair, Cumberland, Dauphin, Franklin, Fulton, Hanover, Jervis, Lancaster, Lebanon, Mifflin, Perry, York	County: Bradford, Cameron, Centre, Clinton, Clearfield, Columbia, Lycoming, Monroe, Northumberland, Potter, Snyder, Sullivan, Tioga, Union, Watsburg	County: Allegheny, Armstrong, Beaver, Cambria, Fayette, Greene, Indiana, Schuylkill, Washington, Westmoreland	County: Butler, Clarion, Crawford, Elk, Erie, Forest, Jefferson, Lawrence, McKean, Mercer, Venango, Warren

### I. FACILITY INFORMATION

Facility Name: **Watson-Standard Co.** Facility I.D. Number: **02-80150-001**  
Street Address (P.O. Box not acceptable): **Grand Avenue and Old Neville**  
City: **Neville Island** State: **PA** Zip Code: **15225**  
County: **Allegheny** Municipality: **Neville**  
Contact Person: **Robert Spahr** Phone Number: **(412) 331-6365**

### II. OWNER INFORMATION

Owner Name: **Watson-Standard Co.**  
Address: **P.O. Box 11250** **80452**  
City: **Pittsburgh**  
State: **PA** Zip Code: **15238**  
Phone Number: **(412) 362-8300**

### III. REGULATED SUBSTANCE INFORMATION

TYPE OF PRODUCT RELEASED/SPILLED  
MARK ALL THAT APPLY [X]:

- Unleaded Gasoline..... ☐
- Leaded Gasoline..... ☐
- Alcohol Enriched Gasoline..... ☐
- Light Diesel Fuel (No. 1-D)..... ☐
- Medium Diesel Fuel (No. 2-D)..... ☒
- Motor Oil..... ☐
- Auto Oil..... ☐
- Kerosene (No. 1)..... ☐
- Home Heating Oil (No. 2)..... ☐
- Lighting Oil (No. 4)..... ☐
- Heavy Heating Oil (No. 6)..... ☐
- Aviation Fuel..... ☐
- Other (Specify)..... ☐
- Unknown..... ☐

### IV. EXTENT/DATE OF OBSERVATION OF CONTAMINATION

EXTENT (MARK ALL THAT APPLY [X]):

- Gross Soil Contamination ..... ☒
- Minor Soil Contamination ..... ☐
- Free Product on Water Table ..... ☐
- Sheen on Surface Water ..... ☐
- Severe Odors ..... ☐
- Minor Odors ..... ☒

DATE OF OBSERVATION: **5 / 1 / 91**

Mark the Box if Samples Have Been Collected ☒

### V. CERTIFIED INSTALLER/INSPECTOR INFORMATION

INSTALLER NAME:	INSTALLER SIGNATURE:
INSTALLER I.D. NO.:	DATE:
INSPECTOR NAME:	INSPECTOR SIGNATURE:
INSPECTOR I.D. NO.:	DATE:
TELEPHONE:	TELEPHONE:

Inspector Name: **Stephen M. Frank** Inspector I.D. No.: **002318-INSF**  
Date: **5-2-91**